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Basic Patent (No,Kind,Date): IT 98610005 A0 980223 <No. of Patents: 002>

METODO DI PREPARAZIONE ISTANTANEA DI VERNICI E PITTURE (Italian)

Patent Assignee: COLORIFICIO ADRIATICO (IT)

Author (Inventor): ANONIMO ANONIMO

Language of Document: Italian

Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date
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IT 98610005	A0	980223	IT 98PS 5	A	980223 (BASIC)
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IT 98610005	A1	990823	IT 98PS 5	A	980223
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Priority Data (No,Kind,Date):

IT 98PS 5 A 980223

TRANSLATION FROM ITALIAN

[Only entries with answers translated; answers are in bold face.]

MINISTRY OF INDUSTRY, COMMERCE AND CRAFTS

ITALIAN OFFICE OF PATENTS AND TRADEMARKS [IOPT]—ROME [Documentary stamp canceled by date]

PATENT APPLICATION FOR INDUSTRIAL INVENTION. RESERVATION FILING,
ADVANCE ACCESSIBILITY TO THE PUBLIC [remainder illegible]

A. APPLICANT (I)

1) Name: **COLORIFICIO ADRIATICO** NG: **SR**
Domicile: **61030 LUCREZIA (PS), VIA PILONE 86** Code: **00150130417**

B. AGENT OF THE APPLICANT AT THE IOPT

Given and family names: **GIANLUCA BENEDETTI** Tax code: **BNDGLC54H06L5000**

Name of office with which affiliated: **UFFICIO BREVETTI PEDRINI E BENEDETTI**
Via **BRUNO BUOZZI No. 63** City: **PESARO**, Postal Code: **61100**, Province: **PS**

D. TITLE

METHOD FOR THE INSTANT PREPARATION OF VARNISHES AND PAINTS

APPENDED DOCUMENTATION

	<u>No. of copies</u>		
Doc. 1	2	No. of pages	12 [illegible]
Doc. 2	2	No. of figs.	01 [illegible]
Doc. 3	1		[illegible]
Doc. 4	1		[illegible]

8) Certificate of payment, total in Lire: **THREE HUNDRED AND SIXTY-FIVE THOUSAND**

Signature of Applicant: **per GIANLUCA BENEDETTI**
[Signature]

CONTINUATION - YES/NO: **NO**

AN AUTHENTICATED COPY OF THIS DOCUMENT IS REQUESTED: YES/NO **YES**

PROVINCIAL OFFICE OF INDUSTRY, COMMERCE AND CRAFTS: PESARO AND URBINO

FILING RECORD – APPLICATION NUMBER **PS98A000005** CODE: **41**
The year Nineteen Hundred and **NINETY-EIGHT** on Day **TWENTY-THREE** of the month of **FEBRUARY**

VARIOUS ANNOTATIONS OF THE DRAFTING OFFICIAL

THE FILER
[Sgd.] **G. Benedetti**

[Seal of the Ministry]

Drafting Official
[Illegible Signature]

NAME OF INVENTOR

[Mostly illegible article of the Law]

[Documentary stamp canceled by date]

Ref.:

The undersigned applicant:

- 1) **COLORIFICIO ADRIATICO COMPANY**
- 2) **61030 LUCREZIA (PS) - VIA PILONE, 86** Code: **00150130417**

Applicant for the above-mentioned patent of the title:

**METHOD FOR THE INSTANT PREPARATION OF VARNISHES
AND PAINTS**

Designated as inventor:

PAOLO MARCHIONNI

Place and date:

Lucrezia 02/18/1998

Signature of applicant and agent

[Illegible]

CONSENT DECLARATION

The undersigned:

PAOLO MARCHIONNI

declares that he is the inventor of the invention subject of the above-mentioned patent application.

Lucrezia, 02/18/1998

Signature:
[illegible]

February 23, 1998

PS98A000005

[Stamp:]

**PROVINCIAL OFFICE OF INDUSTRY, COMMERCE AND CRAFTS
PESARO AND URBINO
DRAFTING OFFICIAL**

[Signature]

SUMMARY OF INVENTION WITH PRINCIPAL DRAWING

APPLICATION NUMBER: PS98A000005

DATE FILED: February 23, 1998

PATENT NUMBER:

DATE ISSUED:

A. REQUESTER [illegible]

Name
Domicile:

B. TITLE

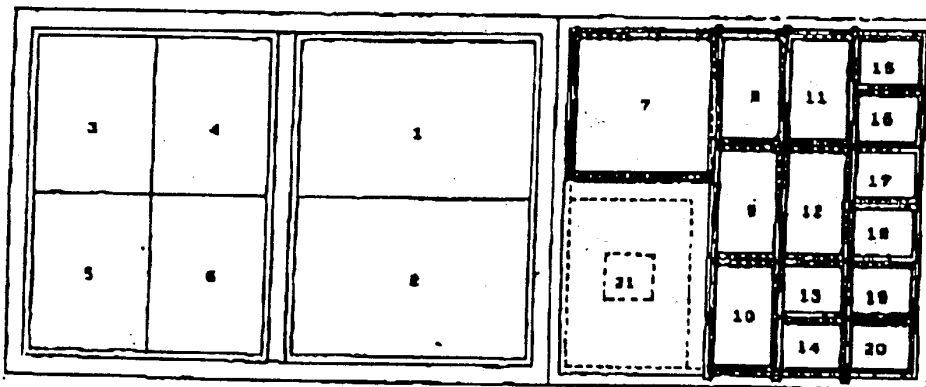
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I. ABSTRACT:

METHOD FOR THE INSTANT PREPARATION OF VARNISHES AND PAINTS INCLUDING PREPARATION, WHEN REQUIRED, OF BASES FOR GUIDED DOSAGE OF THEIR RESPECTIVE COMPONENTS AND ADDITION OF DYES.

[Illegible]

II. DRAWING



DESCRIPTION

complementary to the application for a patent of industrial invention having as object and

TITLE

METHOD FOR THE INSTANT PREPARATION OF VARNISHES AND PAINTS

* * * * *

On behalf of the company known as Colorificio Adriatico S. r. l., an Italian limited liability company, with head office in Lucrezia di Cartoceto, postal code 61030, Province of Pesaro, via Pilone No. 86, fiscal code 00150130417, in the person of their legal representative Mr. Paolo Marchionni;

- Mr. Paolo Marchionni, inventor designate, born in Fano, Province of Pesaro, on February 10, 1943, residing in Fano, postal code 61032, Province of Pesaro, Via Caprera No. 14, fiscal code MRC PLA 43B10 D488I;

- through their agent Gianluca Benedetti, attorney in Pesaro, with elected domicile in 61100 Pesaro at Via Bruno Buozzi No. 63, care of the Ufficio Brevetti Pedrini & Benedetti.

Registered on February 23, 1998 under No.

SUMMARY

- Method for the instant preparation of varnishes and paints including, when required, bases for guided dosage of their respective components and addition of dyes.

DETAILED DESCRIPTION

Scope of technology

- Already known in the retail sale of varnishes, paints, and the like is the technology for preparing, when required, tints and color shades requested by the customer, by mixing appropriate quantities of color bases as indicated by the Pantone system, which visually identify the color contingently desired and combine the doses required to obtain same;

- this technology provides retailers with a wide range of products without burdening their storage facilities, resulting in benefits in terms of reduced inventory, space and anything else intuitive.

Identifying a specific technical problem

- However, the known technology identified alleviates only the burden on the retailer's warehouse since "bases" for varnishes and paints, intended as the substances and amalgams chromatically neutral or less diversified as to chemical and/or physical distinctive features and/or as to dosage of components, which serve to give the product all the additional characteristics and specificities of application, as well as subsequent surface appearance with respect to chromaticity, still remain a relatively considerable plurality, as a result of which a retailer is forced to keep an appropriate inventory of all "bases", each in the relative multiplicity of different packaging for quantity use.

Purpose of the invention

- Therefore, the main objective of this invention, within the above-mentioned scope, is to provide a technology designed to further limit the need for stock assortment where paint and varnish retailers are concerned.
- Another objective of this invention is to accomplish the previous objective through a technology of easy and quick implementation.
- One more objective of this invention is to accomplish the previous objectives through a suitable technology to be adopted in as wide as possible a field of application, as well as to be compatible with the polyvalence and modularity requirements that are increasingly in force in the specific sector.
- A further objective of this invention is to achieve the previous objectives through devices that are easy to implement.
- A further objective of this invention is to achieve the previous objectives through a technology that is both simple and effective, safe to implement, as well as relatively cost-effective in consideration of the results obtained in practice.

Abstract of the solution principle

- These as well as still other objectives, not all of them achieved through the method for the instant preparation of varnishes and paints, according to this invention, including the preparation of bases, when required, for guided dosage of their respective components and addition of dyes.

Identifying the attached drawings

- Other features and advantages of the method according to this invention will be more apparent from the following detailed description of one of its forms of preferred but not exclusive embodiments, referred to only by way of example and not limited to a device of relevant implementation schematically shown in the only table of drawings attached hereto.

Description of the implementation example

- The method according to this invention envisages, in lieu of acquisition and storage by retailers of bases for paints and varnishes prepared in advance, in a relatively considerable variety for different grades and features, as well as, within these, a selection of packaging for different amounts, the preparation of bases by the retailers themselves;
- retailers are provided, if needed, with the basic components of bases, and their additives, in the reduced plurality whose differential combination and dosage will produce essentially all the bases of usual use and commercial availability, or a greater part of them;
- retailers are also provided with a handbook for formulating, dosing, and mixing the components supplied and their additives in order to obtain the basic preparations used in formulating paints and varnishes;
- to these bases, thus contingently prepared as needed, can later be added the colors to obtain the tints and shades required, as per Pantone instructions.
- The method just described can be implemented through the device shown by way of example in the sole attached table of drawings:
 - which illustrates, in extreme schematic outline, the plan of a sales counter, on one side of which the sales personnel operate, with the customers on the other side;
 - the counter includes altogether twenty containers or tanks which can be conceptually subdivided into two groups, the first six containing bases and the remaining fourteen containing additives and coloring pastes, in greater detail;
 - numbers 1 and 2 indicate two containers or tanks of larger size, preferably made of fiberglass, designed to contain basic components of more frequent and wider use, as for example "neutral smooth base" and "neutral quartz base";

- numbers 3 to 6, then, indicate four containers or tanks of smaller sizes, designed to contain as many other basic components, as for example “extender filler”, “transparent acrylic resin”, “acrylic styrene resin” and “vinyl versatate”;
- proceeding to the second group of containers, number 7 indicates the largest container or tank of this group, designed to contain the basic color of widest use, that is “white color paste”;
- in addition, numbers 8 to 12 indicate four other containers or tanks of smaller sizes, the first designed to contain the first other basic color of widespread use, that is “yellow ochre color paste” and the other four to contain additives, e.g. “silicate”, “CR - SB solution”, “lime” and “siloxane additive”;
- numbers 13 to 20 finally indicate the last eight containers or tanks of still smaller size, designed to contain other basic colors, for example “red color paste”, “blue color paste”, “orange color paste”, “red titanate color paste”, “yellow color paste”, “black color paste”, “yellow titanate color paste”, and “green color paste”.
- The structure then is completed by a dispensing head, schematically illustrated and indicated by 21, to be intended as equipped with a metering device connected to pipes drawing through their respective pumps in each of the containers or tanks numbered 1 to 20.

Implementation alternatives

- It is obvious that in other alternative forms of implementation but always within the concept of innovation subsumed under the example of implementation shown above and claimed hereunder, the method according to this invention may also be implemented with various and/or other basic components and coloring and additive agents, as well as materialized in devices including technical and mechanical equivalents, also equipped with other integrative devices and with configurations of their respective components however varied in a manner suitable for the purpose.

Advantages of the invention

- As is obvious from the preceding detailed description of a preferred example of implementation, the method according to this invention offers such advantages as correspond to the achievement of the predetermined objectives and still others: as a matter of fact, it integrates a feasible technology of simple implementation to drastically contain the need for assortment of the inventory held by retailers of varnishes, paints, and the like.

Scope of the protection requested

- Having thus described the method according to this invention with reference to a preferred form of implementation, it will be obvious to want to protect all possible forms of embodiment with variants of normal implementation for experts in the field, which forms will not modify the invention without diverging from the objectives expected of it; by this we intend, both in the preceding description and the following claims, to protect all forms of implementation and variants within the solution concept, in the spirit and objectives of the invention itself.

CLAIMS

- 1) Method of preparation of varnishes, paints and the like, characterized by the fact of including preparation, when required, of bases for guided dosage of their respective components and addition of dyes.
- 2) Method according to the first claim, characterized by the fact of including formulation on the part of retailers of mixtures and amalgams chromatically neutral or less diversified as to chemical and/or physical distinctive features, and/or of dosage of components apt to confer on the varnishes, paints and the like all the other characteristics and specificities of application and subsequent surface appearance with respect to chromaticity, by means of a handbook for combining, dosing, and mixing said components and their respective additives, as well as subsequent coloring to obtain the tints and shades in accordance with the Pantone instructions.
- 3) Method according to the preceding claims, characterized by the fact of being implemented with basic components, coloring and addition of additives of any type in any assortment whatsoever.
- 4) Method according to the preceding claims, characterized by the fact of being implemented by means of a mixing bench equipped with tanks for the basic components and colors, as well as facilities for their corresponding dosage and mixing.
- 5) Method according to the preceding claims, characterized by the fact of being implemented by means of a sales mixing bench equipped with a variety of containers and tanks, and by metering means connected to pipes and pumps combined with said containers and tanks.
- 6) Method according to the preceding claims, characterized by the fact of being implemented by means of a mixing bench that is structured and sized suitably for the purpose.
- 7) Method according to the preceding claims, characterized by the fact of being implemented by means of a mixing bench including containers and tanks that are quantified, structured, and also reciprocally sized suitably for the purpose.
- 8) Method according to the preceding claims, characterized by the fact of being implemented by means of a mixing bench, including containers and tanks made of any material suitable for the purpose.

- 9) Method according to the preceding claims, characterized by the fact of being implemented by means of a mixing bench with metering dispensing means connected to pipes and pumps combined with containers and tanks of any type whatsoever suitable for the purpose and structured accordingly.
- 10) Method for the preparation of varnishes, paints and the like according to the preceding claims and substantially as described and illustrated with reference to the attached table of drawings as well as for the specified purposes.

p.p. Colorificio Adriatico s.r.l.

The Agent

Attorney Gianluca Benedetti

February 23, 1998